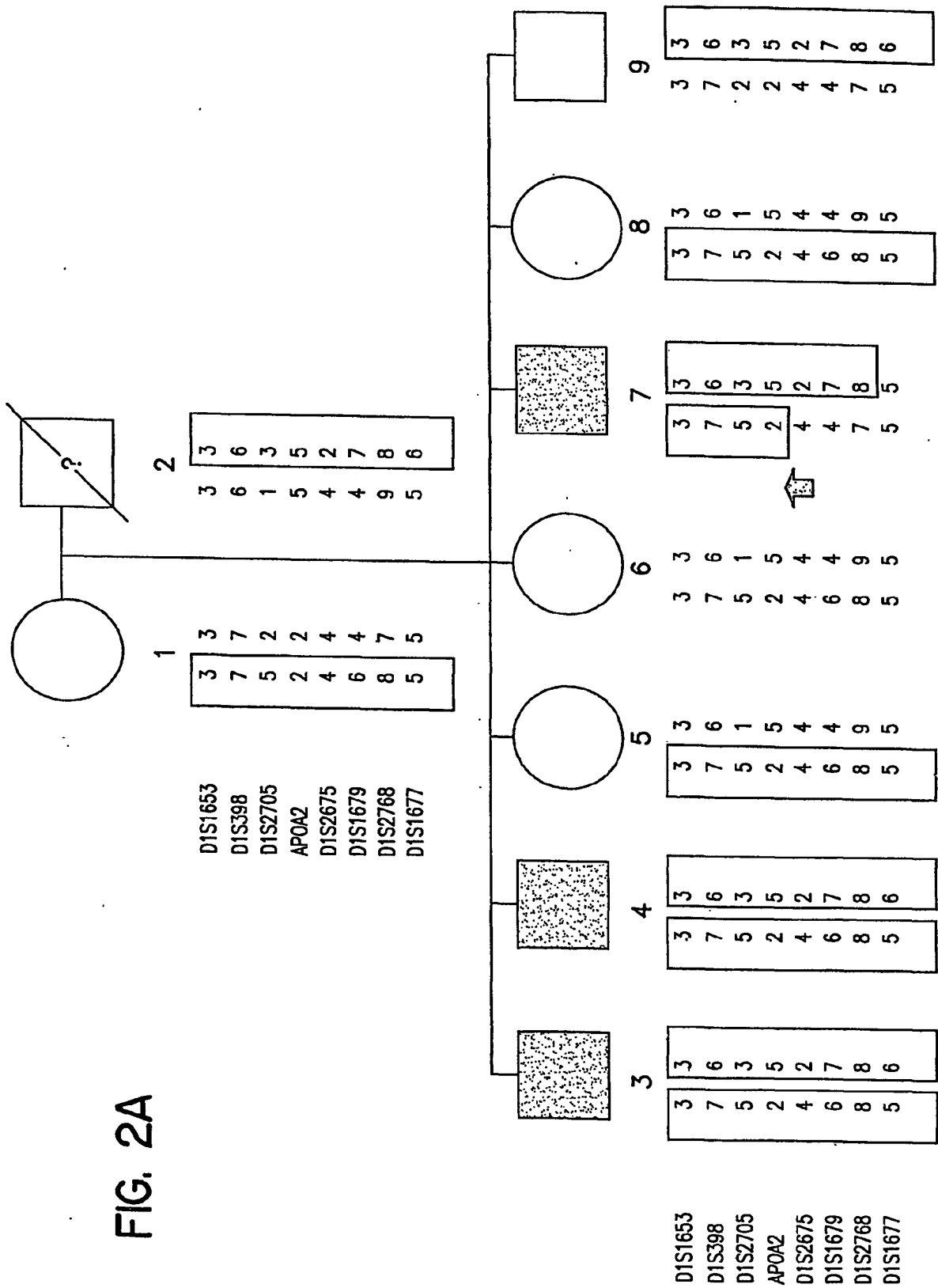


FIG. 1



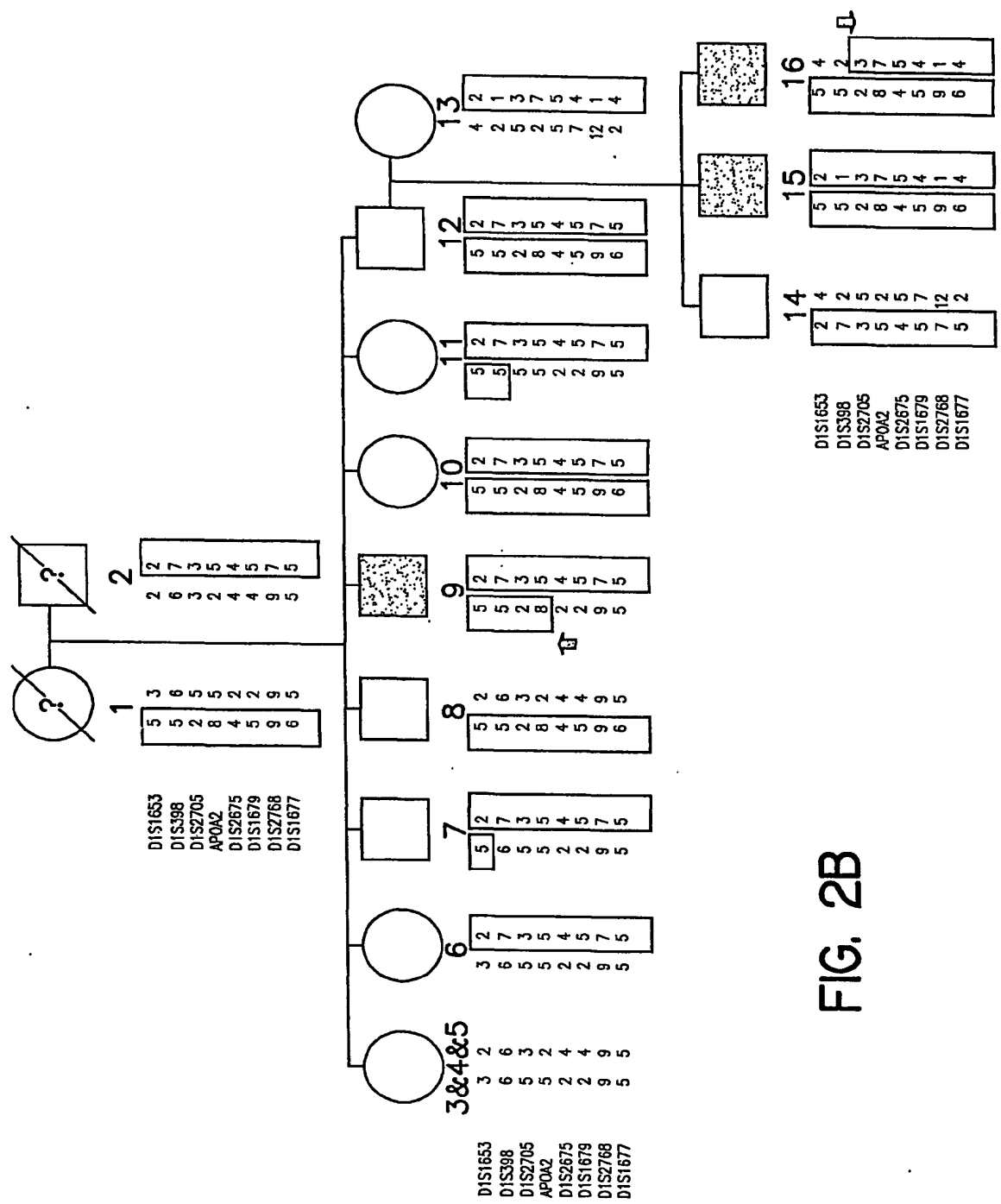


FIG. 2B

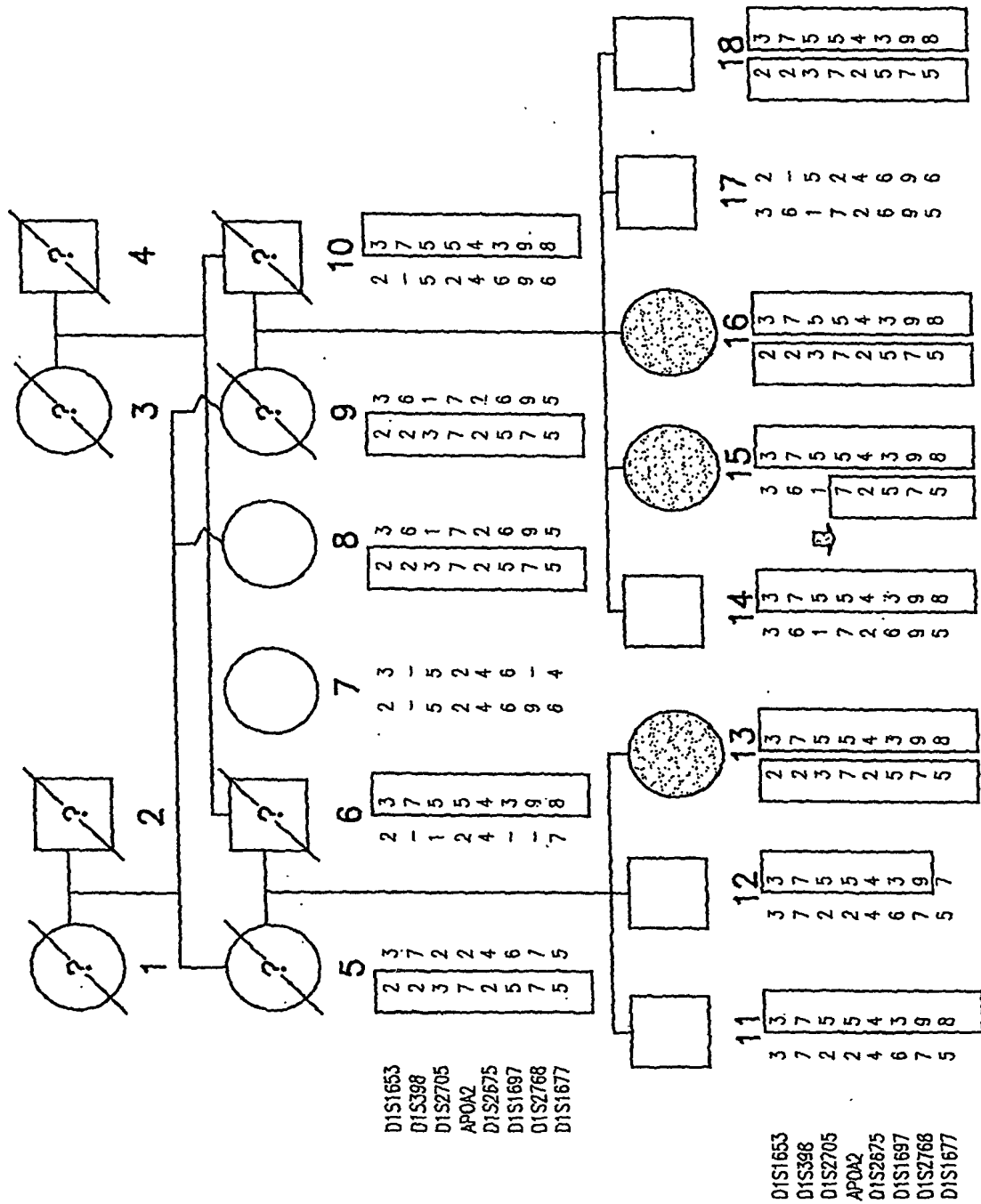


FIG. 2C

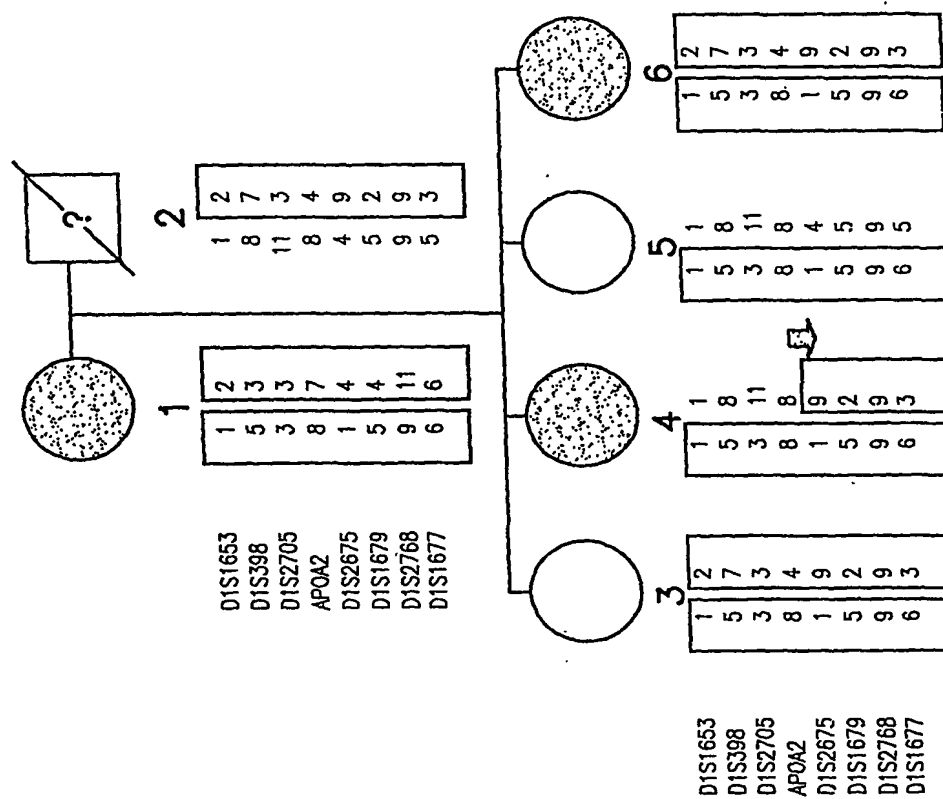


FIG. 2D

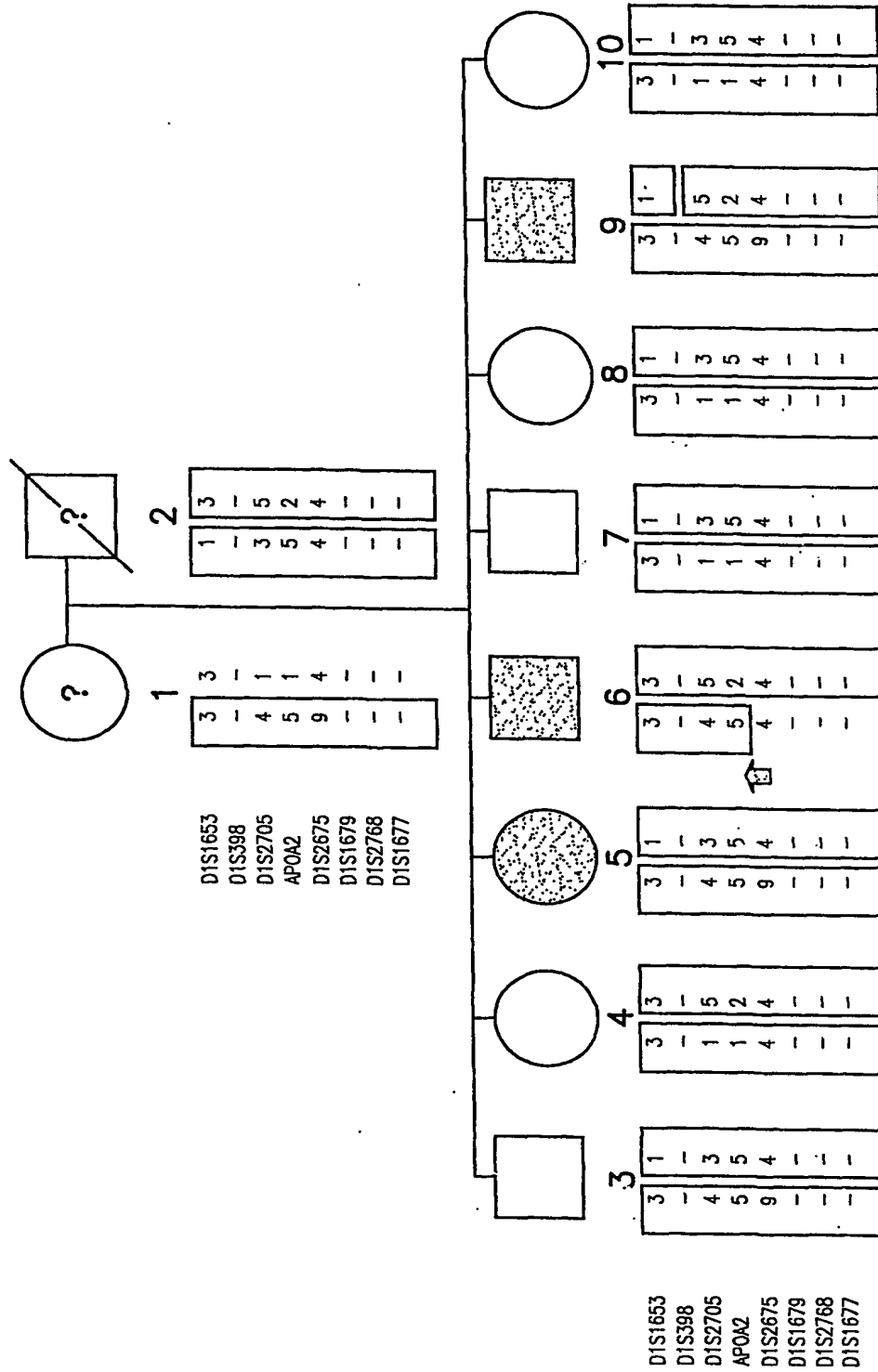


FIG. 2E

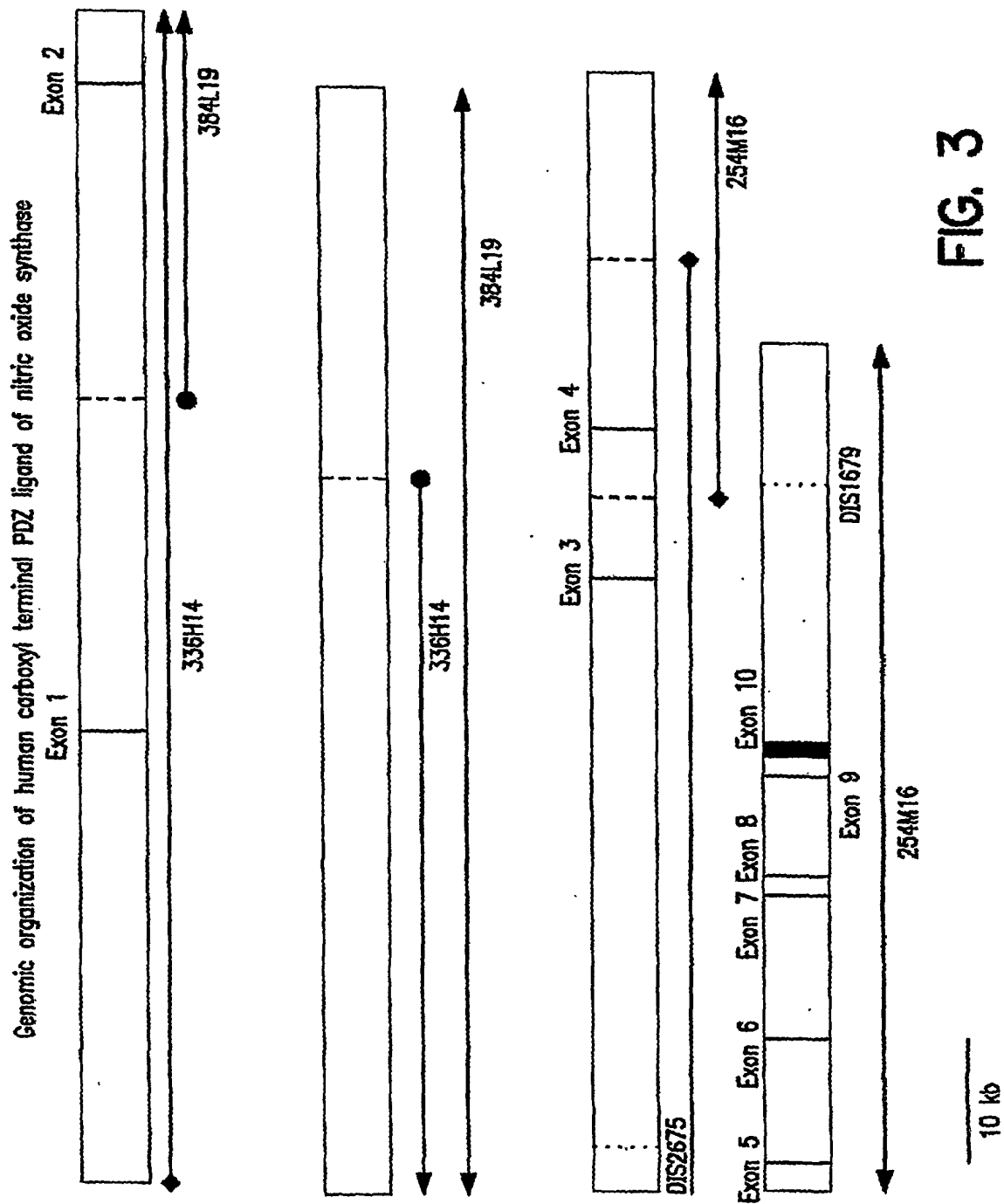


FIG. 3

Exons and surrounding intronic sequence. Transcribed sequence is underlined.

Exon1:

GCGCGGGGGCGGACCCGGCGGGCGGGCGGGGCTCTGAGCCCGGCGGGAGGAGCCGGCCTGGGCC  
CGCCCCACAGGAGGAGCCAGCTCGCTGGCGGCTGATCCAGCGTCTCCGTGACAGGCACCCTGCT  
CCGCCGCCACCGCCACCGCCACCGCCACCGTCGCCTTTTCTTCTTCGTCCCGGGCGGGTGCGTTC  
CACTGTTCTGGGGCCGGCGCCCGCGCCAGTCCCGCTTCGGGCCGCAAGCCCCACCGCTCCCCCTC  
CCCGGGCAGGGGCGCCGCGCAGCCCGCTCCCGCCGCCACCTCCTCCCCTGCCGCCCTCCTAGCC  
GGCAGGAATTGCGCGACACAGCGCCGCTCGCGTCGCCCCGATCAGCTCAGCCCGCTGCCGCTC  
GGCCCTCGGCACCGCTCCGGGTCCGGCCCGCGCGCGGCCAGGGCTCCCCCTGCCAGCGCTCCC  
AGGCCCCGCCACGCGTCGCCGCGCCAGCTCCAGTCTCCCCCTCCCCGGGGTCTCGCCAGCCCTT  
TCCTGCAGCCGCCGCTCCGAAGGAGCGGGTCCGCCGCGGGTAACCATGCCTAGCAAAACCAAG  
TACAACCTTGTGGACGATGGGCACGACCTGCGGATCCCCTTGACACAACGAGGACGCCTTCCAGC  
ACGGCATCTGCTTTGAGGCCAAGGTGAGGGGGCTCCGGGGAGGGTGCTACCTGTGGTGGCGGTT  
GGGGGGGCATGTTTGAGCGGATGGGATGCACAGCCGTCCTGGACCCAGAGCTGGCGGGCTAGGC  
CGATTTGGGGGCCTTTCTCTTAGGGAGGGTAACCTCCTTCTGAGTCTATAATTCCGCGGGCT  
CCTGCCCAGAAGTGCCTCAAGAGCAACTGCAAAGTTTGAGCGGTATTGCCTCACCTCCCCCTTCC

Exon2:

CTGGTTAAGAGCAAGATGAAAAAAGGAAGCAGTAATTTCTGGTTAACTTGCTTTTTTATAAAGTT  
AGAAACAGACTCAAAACAAAACACCCTGCTGGCTCTTAATTTCTTCATCTGTAAAATGGGCAGA  
TGAGCTAGTCCTTTACCTTTTGAAGTCTTCTGGGATTAGGGACACTTGCTACCCCTCCTCTCAA  
TGAGTGTTTGCTTCTCCCCACAGTACGTAGGAAGCCTGGACGTGCCAAGGCCCAACAGCAGGG  
TGGAGATCGTGGCTGCCATGCGCCGGATACGGGTGAGTGGCCAGAGGTGGACTGTGTGGAGCGG  
GGAGTCAAGTGCCTTAGCTGCTGGCCCTTCTAGGTAGGGCTGGAGGGGCCAAAATGGATGGCTA  
CACCCCTTGCAAACCCAAACTCCTCCTCTCTGTACCCTCTAGGTAGCTGTTCTGAATTGAACAT  
TTGATCTTGATGAAAGGCCAATGTTAAAATGGATGTGATGGCTGGAGTGGTACCATCTTCCCTC

Exon3:

CTCATGAGGGTAGCTAGCTGATGGCTGAGAAGTGGTATAGACTATTCAGAGTCCCGTTTCTAAC  
CCAGAGATTGCCTGAGACATCCACCTGCTTTTACATCCCCCGAGGTGCTCCCTGCCCCAGGAG  
CTATTCCCCACACCTGTCTGGGGACCTTTTTTCCAGGCATGGGCTAGCTGGGTCTGTATAGATG  
CACTGATCTCATCAGATTGCACTTTCTTTTTGTTTTCTTCTTTCTTGCAGTATGAGTTTAAAGC  
CAAGAACATCAAGAAGAAGAAAGTGAGCATTATGGTTTCAGTGGATGGAGTGAAAGTGATTCTG  
AAGAAGAAGAAAAGGTAAGTGGCTCTGAACCAGAATCTGAGGTGAAGAGGAAAGCAGGGGAGG  
TAGGCATGGGGTACCTTCTTCTTCTGGGCCCACCTCCAGAGAGAATCCCTCCCTTATCTGGCAA  
GCTCTTCTGCTTTGAGCAGCAATGGTGTGACAGGCTGCAGCAGAGTGATAGGGCGAGGCGAGGC  
CAAAGGCCTAGTCACCAGTTGGCTCAGTCAGTCCTGGTACCCAGGTGATGGGAGTCACCTCCT  
GTCATCCATGCCTTCAACCCCCCTCCCCATTTTCATACCTTTATCTTTGAGTTTTGAGTCCTGA

Exon4:

15 basepairs in AB007933 but missing in CAPON-1 are italicized

CCCCACTTCACCCCGAGTTCCTAAGGACTTCTTGGCTTTTGCCTACCCTCTGAGCCCTGGAGA  
GGCACTCTCCTAAAGTGCTTGGAGGAACTGATCAGACTAGACACTTGATATTTTGCACCTCGTC



GTTTTGGAGCAATCAACTCCAGGCCTCTTAGAGGGAAAAAGTCAGGTCAGGAGCAAAATGCATG  
TGTTTGCATAAGTATGCATAGCTCAGTGTGTGCCCTGGTCCTGTAAGTGAAGCAAGCCTAACT  
TATTCATTTACAGCTTCTTTTATTGCAGAAAAAGGAATGGACGTGGGATGAGAGCAAGATGCTG  
GTGATGCAGGACCCCATCTACAGGTAAGAGCCCAGTCCAGCACCCAAGATATCACTGAGCCCCA  
GAGTCCTCCTGCCCCCTACAGCCACCTGTCAGGCTGGTGGATCCAGGCAAATTTAAATAAACTT  
CTATGCTTTTCCCTCCTGAGACCTGTTGCTTCCATTAGATGTGAGTTCAAGAAGTAAATCTGCC  
TTATCATTTCTGGTCATGCTTGATTGCATTAAGGAAGCTATGAAGTATATCTGCTTGATGTTTAA

## Exon5 :

CTACCCCTGCCCCCTCTACCAAATCTGAAAGTCACAGTGTTAGTGTTTGTGGAATCTGTTGAAA  
GTGCCTCCTGCATTGTGACTTTTTTGATCCTGAAGGAAGAAGACTTTCGTGAATAACTTGGCTCT  
CATGAGCTGTGCTTCAGAGTGTCTTAAACAGAGCTTTCCTGGTTGGAGATTTGAACCTAAGGC  
CATTTTCAGTGCATTTTTCTGTTGTTCTTCTTTAGGATCTTCTATGTCTCTCATGATTCCCAA  
GACTTGAAGATCTTCAGCTATATCGCTCGAGATGGTGCCAGCAATATCTTCAGGTGTAACGTCT  
TTAAATCCAAGAAGAAGGTAAAGAGGCGGTTGCCGTCCATCTGCTATTTTCTCTAATGGTTCC  
AAAGCACCCCCAACATTGGCCCCGTCTCCCTGTTGAAGACAGCTGTGGTAATGCCGACATGGGGC  
AACTATCTCAGTCGTCTGTCAATTGCTCCTATATAATGGAATTCTCTTTTAGCATCATCTGAACT  
TTGTACTTAGTTACATACAGATAAATGCAAAGGATTGACCGTTGACTACGTGCTCTGGGATGA  
GAGCAGTTAAACAGCACCGGGAGTGATGCTAACCTTAGCCTTGGGGTAGGAAAAAAGCATTGTC

## Exon6 :

CCTTTCAGTTGACTGATTGTTTCAGCACTGTGGTGACAGTTTCTGTTTTCTGGAGTATTTTCTGAG  
AAGGGGAAATGTCTTTGCACTCATTTGTATGTGCATATCTGAACAACCTTTAGATTTTTCTGTCT  
CTTCTTTTGGCTGCTTCATGAGTTTCTATCCACATGCCCTTGCGCATCCTCACCCACCTGTT  
CTTCTCCTTTCTCCTTCCCAGAGCCAAGCTATGAGAATCGTTTCGGACGGTGGGGCAGGCCTTTG  
AGGTCTGCCACAAGCTGAGCCTGCAGCACACGCAGCAGAATGCAGATGGCCAGGAAGATGGAGA  
GAGCGAGAGGAACAGCAACAGCTCAGGAGACCCAGGTAGGCACTGCGGCTTCTGTGGATGTGGG  
TGGGAAGGCAGTGACACAGTAGGCTCTGGTGGATCACTGCCCTGACCCCCAGGCTGTGAACTC  
ATTTTAAGAAACATTTTATTTTTTCCGTTTCTCTCTAAATTCTAGATTCTCTTTAAGGAACAG  
TATTACTTTTATAACAGAAATTAAAGATGTTTAAATTATTAAATGAGGAAGTATTTAACTGGA  
TATCAGGGAGAGGTAGAGCTGCTATACTACCAAATCTGACTTCAAAGAAGTTTTTCAGTAAAAA

## Exon7 :

TGGAGATGATCAGCATCCCCCTTCTTCCAGTGTACCTTGTCATATATTCCTGTGAACCTGGCAA  
AACTTTTACATCCAGGCTTGAGGAAGTATTGCCTTTTTTTCTGGACTTTGAAAAGATACTAAGA  
TGAGAACATCTTACTGGGCTGGAAATGCACCTTTAACGTAAGTGAAGATGTGTGAAAAT  
GTTACAAAGCCAGTGGCATCCCTAGGCTCAACATGCCTGAAAGCTAAAGTATTAGGAAAGGAGG  
ACTTTGTTCTCGGTGTTTTTCAATCTCTTCCCTCCCTCCCTGTTGTTCTGTCAGGCCGCCAGCT  
CACTGGAGCCGAGAGGGCCTCCACGGCCACTGCAGAGGAGACTGACATCGATGCGGTGGAGGTC  
CCACTTCCAGGGAATGATGTCTGGAATTCAGCCGAGGTGTGACTGATCTAGATGCTGTAGGGA  
AGGAAGGAGGCTCTCACACAGGCTCCAAGGTAGGCAAGAGATGGCCCATCTGTGTGATCTGCAC  
ACGTGTGCCCTCAGGTCATCAGTCACTTCCTAGCCCCCTGCCAGCTCAGCTTCCGAGTGAGGCAC  
TCCATGGCACAGTGGCGGTGCCAGAGCGCACTTCATTGCCTTTTCAAGAGTCTGACTTCCAGAG  
GGTCTGAACACTAGATGCTGCTGCAGGCCAGGATGCTGTGGAGCTGATTCTGACACACATCGC  
CCTCCCCAAATCCCACCAATATTTGGTCTCCTACTCCCTGGCACCCCTCTTCCCTTAACAGCATC  
TCATCTTTGCACAGTATTTTGCAAGGCTCACTCTGGCACACACACACACACAGACTCCCCCTG

Fig 4B

## Exon8 :

AGAGATGGAGCAGTATCAGCCATCAGTCTCCCATCGGGGTCAGTTACCGAGGTGTCCCCCTAGT  
CCCCCTACGATTTTCTGACTGTGTGGTATCAGCCCAGGCAGCTACACCATTTCTTTCTGGGCC  
TCTACTCCCATTTCATTGAAGATATAGTGCTGTCAGCTTATGGGTTGTAAGTGTGCCAATTTG  
CTCCTCCTGAGTGCATGCCAAAGAGAGGGAGGCCCCCTCAAGATGGCTCCTGCCACATGTCATGT  
CCTGTCTTCTCCTTCTCCTCCAGGTTTCGCACCCCCAGGAGCCCATGCTGACAGCCTCACCAG  
GATGCTGCTCCCTTCTTCTTCTCCTCGAAGCCTCCAGGCCTGGGCACAGAGACACCGCTGTCCACT  
CACCACCAGATGCAGCTCCTCCAGCAGCTCCTCCAGCAGCAGCAGCAGCAGACACAAGTGGCTG  
TGGCCCAGGTTCTCCTCAGCCTCCTCCCTACTTCGCAGGCTCCACTCTCATGGGCTTGATGCAC  
CTTCCCTAGCGAGGGGCTCAGGGCAGGTTTAAAATCTAGGGAGTCATAAGGAATCGCTCATGCT  
ATTGGATCATTTGCTTGTGGGGAGTGGGGGCAGTGGGAGGGGATAGATGGGGGATGCAGTTGA  
AATGGAGAGGCACATTTTGGTTTCCCATGTATCCCCTGCTCTGAGCTGGGCTTGGCTGGCTTGG  
CTGAATGTTGTTAATGACTTGAAGTGAAGGAAAAGATGCACACAATTCACCCCTTCTTT  
CCTGCCTTACTTTCTTGATATTTGGGGTGGAAAGTGATGCCTTTGGAGTCAGAACAGTTGTGGC

## Exon9 :

Sequence translated in CAPON-2 but not CAPON-1 is italicized

CTTACCCTTCTCTGAGGCTTATCTGTGGGCTTCCCATAGCAGTTGTCCTGTTCTTAGAACCAA  
ATAGATTTGGGGGACCCCCAGCTGAAATTTCTCCATGCCTCCCTTTCCAAAGAGGAGAAAACCT  
TAATAGCCACCCACCATCTGACATCCAGATTACAATATTATTGACATTTCTTTCCCTGTTGAGT  
GGATATAGGAAGAAACAACTCAGTTTCTTCTGCTATACTGTCACAACATACTTCTATGACCA  
AATGTATGGGGCTTTTCCACACACCAAGCAAGCAAGCAGTTCTGCAGAGGGGCACACAGTGTC  
CTCTAACTCAGTTTGATTCTGATACTATCTACCTGGAAACAGCATCAGATCCCACAGTTTGAGG  
GCTCAATCCCACAAGACTTTCCCCCATTTTCAGACACCAATCACAAGTAATAGTTTGTACCTAC  
ACCTCTGACCAAGTGGCTATAAATTGGTGTTCCTACTACCCTCTCCTTGGACTCAACTGATTTG  
CTAGAGCAACTGACAGAACTCAGGAAAACACCTACATTTACTGGTTTATTTTAAAGGATATTAT  
AAGGGATACCAATGAACACCAGATGGAAGAGATGCATAGGGCAGGGTCTGTGGGAAGGGTGGCA  
GAGCTCCCATGCCCTCCAACGTGCACCACCTCCAGGAACCTCTAAATGTTTCAGCTGCCCGGC  
AGCTCCCCACACCCAGTCTTTTGGAGTTTTTAATGGAGGCTTTATTATGTAGGCATGATTGATT  
ACATCATTTGGCCACTGGTGATTAGTTTAACTTTTAGCCCCCTCATCTCCTGGAGGTGGGGCGTG  
GGACTGAAAAATCCTATCCTCTAATCATACCTTGGTCTGTCTGTGAGCAGCCCCCATCCCGAA  
GCTTCCAGGGGTTCCCCAACCATAATCATCTAATAAGCATACAAAAAACACTCTTACCCTCT  
GGAGATCTCAAGGGTTTGGGGAGCTATATGTCAGGAAACAGGGATGAAGACCAAACATGTATTT  
CACTGTATCACACCTGTTCTCACCCCTCCCCAGATCTTCTCTCAATTAATATGAGACAAAAAAA  
TGAGTCTGACTTCTTGACCAAAATATCAGTTCTGTCTTAGCAGCTTTATGGAGGACAGATTTA  
GTTTAAATTCTTAGGCATTATGCCCCCTGTGGCTCCACTCAATCAGAAATAGGGTCAACGGCAA  
GGTCAGGGCCTCCAATCTGGGCAAGAGGGAGGCAGCCACGGTATCCACAAGTGTAATTCTCTGA  
GTGCTGGTTGCTGGGAGGGGCACACCCTGGGCCAGCAAGTCAC'TTGGCCAAGGGTGGCCAAC'TG  
TGAGGTAGCACTGCCCTTTACTCCCTAAAAAAATGTGAATCTCTTTGGAGCAAAC'TCCTCTTCA  
GAAATTTGAGCACTTGTTTTCTGAGCAAGGGAATCAGCTAATGCTTTTGGACTCCCCATCCATCT  
TCCTGCATCCTCGTCCCACCTCTCCTGCCCCCACTCACCTGGCTCTGTCTTTACCCACACCATG  
GTTTTGGTACAAGAACACCCCTTTTCCCCATAAGCTACATTGGTCCAGGCCATAAAAATTCATTA  
GTTCCCTTTCTTCAGGGGCCTTCTGAAATGCTCCCTGGAGAAC'TCTTTATTCACTTCTTTGCAC  
AAGAATCACATATGTGTGAACACTGGTATTGGCCTTCTAACTCAGTTTCTTCAAACAGGGTCC  
TGGTCTGGTTGCCCTGTCTCTCCCACTGAGTTTTATCTCCACATAAGTATTGCTCACCAAGA

Fig 4C

ACAGAGCTGTTGACACCACTGGGCCTCAAGCATGCTGAATGCATTGCTGCCAACTGCTCTGCCCT  
TAAGAAGGTTGGAAACTGATGAGGGTGCCACAAATTGTTACCTCAGCCCTTCTGGGCTGGTTG  
GAGGAGGCCCTCTCATGAATCAGTCAGCAAAATGTTTGACCCCTACCAGGTGGTCTGGTAATAT  
GTGGTATGAATCATGGTCCTAGATGTCTGCCATAGCAAATAAAAAAGGAAGACAGGGAAAGAAG  
CTGTCGCCCTACAGAGTGGCTTGATGACAGCTGCCTCACTAATTTAAAAAGCCATGTGTAGTGCT  
TCCTATTTCTCACTATGTTTGGGTGAGTGGGAGAGGGAGAAAGATTATATGGGCTTCGTTGTGA  
CACTGTTCTTAGCCAGTGGGTCAATAGATGAGTTTGGTTTTGTTTTTTAGAAGACAGGATGAG  
AAGAGAGTGGCCCCCTTCCACCTCCAACATGGCATGCCATGCTAGGTGCTGAAGGAGTTCTCTAA  
GCAGGGATGGAGCACCGTGCGTGTGTGTGTATATGTGCACGTGTGTGTGTACGTGTGTGTGT  
GTGGCAGGTCTAGAGGGTCGATGGCTCTTTCTGCTCTTGGCCCTTGGTATGGGTACCTTAGTG  
ATGCATCATGGCCCTCCCTTAGGACACACAGCTTCGCAGTGCCAGTGAACCCACTCCTTTTGGC  
TCCTCCTCTGGAATGATAAGCCCAGATGCCCATGCTGCCCCGTGAAGGGCTTCTTCTTGAAGTGA  
ATGTGGAGGGCATCTCTGGTCCCGGCCATCTGCCAGTGAATCTCATGTGCATTTCATGTCCCTCT  
CTTCTCTCTGTCTGTCTTCTCTGCGCTGCCTCTTCTCTGCAGGTACACTTGCTGAAGGACCA  
GTTGGCTGCTGAGGCTGCGGCGCGGCTGGAGGCCAGGCTCGCGTGCATCAGCTTTTGCTGCAG  
AACAAGGACATGCTCCAGCACATCTCCCTGCTGGTCAAGCAGGTGCAAGAGCTGGAAGTGAAGC  
TGTCAGGACAGAACGCCAGTAAGCCAGTGCCCTGCCAGCCCTGCTTCCTCTGTGAAGGCTCTG  
GAAAGAGTGTCACTTTCCCTTAAGTTTTTGGTGGTGCTTTCTTGACCCCTGACCTACCCCTATA  
TTCCAGCAGAAAACATAGGCAGCTTGTTTTCCCATTAGTATACTTAATGAATTACAGAATCAC  
ATGCCCAAAGGAGATCTCGGGTGCCCTTCTAATCCAGGCCAGGGCTGGACTTTGAATGTCCCCG

**Exon10:**

Sequence transcribed for CAPON-1 is underlined, additional 3'  
untranslated but transcribed sequence present in CAPON-2 is  
italicized

TAATTAATGCTTATTTACATGATTGTACTAAAGGTTACCACAGGCTTCTAACATGGTTCTCTCA  
ATTGGTACCTTTTTTCCCTACCACTAACCCTATTTCAGAGCCTTCAGTGGCTACCAGAACCATCATA  
TGGTTCTTATGTCCCCGCCTTTACCACGTCCCAAAGCTCCTCCCCCTCCAGCGAGGTGTGTCTGG  
AGCTATGTGGGGGCGGGAGGAAGGGTGAAGTGTTAAGAGACCCAAAGCCCGAGAGGTGCTGCT  
AAGCTGGTCTGGGAAGGGCTTTGGCATGGCACGGGCGGGCAGAAAGCGGGCATCCCAAATCAAC  
AACCTTGCCCTAACGCTGCCCTCTGCTACCTCTTGTCTCCCCCTGCAGTGGGCTCCACAGGACAGC  
TTGCTGGAGATCACCTTCCGCTCCCGAGCCCTGCCCGTGCTCTGTGACCCACGACCCCTAAGC  
CAGAGGACCTGCATTCGCCGCGCTGGGCGCGGGCTTGGCTGACTTTGCCACCCCTGCGGGCAG  
CCCCTTAGGTAGGCGCGACTGCTTGGGTGAAGCTGGAGTGCTTTTCGCTTTCTTCCGCCCAGGAC  
ACCCCGCCCCCAGCGCAAGGCGAGGCGCTCCTGGGCGGTCTGGAGCTCATCAAGTTCCGAGAGT  
CAGGCATCGCCTCGGAGTACGAGTCCAACACGGACGAGAGCGAGGAGCGGACTCGTGCTCCCA  
GGAGGAGCTGCCGCGCCTGCTGAATGTCTGCAGAGGCAGGAAGTGGGCGACGGCCTGGATGAT  
GAGATCGCCGTGTAGGTGCCGAGGGCGAGGAGATGGAGGCGGCGGCTGGTGGAGGGGCCGTG  
TCTGGCTGCTGCCCGGGTAGGGGATGCCAGTGAATGTGCACTGCCGAGGAGAATGCCAGCCAG  
GGCCCGGGAGAGTGTGAGGTTTCAGGAAAGTATTGAGATTCTGCTTTGGAGGGTAAAGTGGGGA  
AGAAATCGGATTCCAGAGGTGAATCAGCTCCTCTCTACTTGTGACTAGAGGTTGGTGGAGGT  
AAGGCCTTCCAGAGCCCATGGCTTCAGGAGAGGGTCTCTCTCCAGGACTGCCAGGCTGCTGGAG  
GACCTGCCCTTACCTGCTGCATCGTCAGGCTCCCACGCTTTGTCCGTGATGCCCCCTACCCCC  
TCACTCTCCCCGTCTGCATGGTCCCGACCAGGAAGGGAAGCCATCGGTACCTTCTCAGGTACTT  
TGTTTCTGGATATCACGATGCTGCGAGTTGCCTAACCTCCCCCTACCTTTATGAGAGGAATTC  
CTTCTCCAGGCCCTTGCTGAGATTGTAGAGATTGAGTGCTCTGGACCGCAAAGCCAGGCTAGT

Fig 4D

[illegible]

Fig 4E